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INTERESTING RECORDS OF ASSASSIN BUGS (HETEROPTERA: REDUVIIDAE) FROM THE EUROPEAN TERRITORY OF RUSSIA

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Aksenenko, E. V., Kondratyeva, A. M. & Kornev, I. I. Interesting records of assassin bugs (Heteroptera: Reduviidae) from the European Territory of Russia. Summary. List of 8 reduviid species collected in the territory of Astrakhan, Volgograd, Saratov, Belgorod, Tambov, Orel, Bryansk and **Lipetsk Region**s is provided. Materials were collected during 1998–2016. Areal of all species are provided.

Key words: Reduviidae, assassin bugs, Heteroptera, true bugs.

Аксёненко, Е. В., Кондратьева, А. М. и Корнев, И. И. Интересные находки клопов-хищнецов (Heteroptera: Reduviidae) в фауне европейской части России. Резюме. Приводится список 8 видов редувиид, собранных на территории Астраханской, Волгоградской, Саратовской, Белгородской, Тамбовской, Орловской, Брянской и Липецкой областей в 1998–2016 гг. Для каждого вида указан тип ареала.

Ключевые слова: Reduviidae, хищнецы, Heteroptera, полужесткокрылые.

Аксьоненко, Е. В., Кондратьєва, А. М. і Корнєв, І. І. Цікаві знахідки ночолізових клопів (Heteroptera: Reduviidae) у фауні європейської частини Росії. Резюме. Наведено список 8 видів редувіїд, зібраних на території Астраханської, Волгоградської, Саратовської, Білгородської, Тамбовської, Орловської, Брянської та Липецької областей у 1998–2016 рр. Для кожного виду зазначено тип ареалу.

Ключові слова: Reduviidae, редувіїди, Heteroptera, напівтвердокрилі.

Introduction

The assassin bugs (Reduviidae) are one of the largest Heteropteran families. The world reduviid fauna consists of about 6870 species and 881 genera. The greatest diversity of reduviid species and genera is characteristic for the tropical zone. More than 800 species of 145 genera are observed in the Palaearctic (Пучков, Пучков, 1984; Пучков, 1987; Putshkov, Putshkov, 1996; Винокуров и др., 2010).

Despite a large number of works accumulated on the heteropteran fauna of the European part of Russia, data on the species composition and distribution of assassin bugs of individual regions are still small. This is apparently related with a low number of predators in entomological collections. There are few publications on the reduviid fauna of the Astrakhan, Volgograd, Saratov, Belgorod, Tambov, Orel, Bryansk and Lipetsk Regions (Яковлев, 1873; Кириченко, 1951; Пучков, 1987), and only species list are provided in these works, but does not specify the exact place of collection (Jakowlew, 1867; Величковский, 1913; Бианки, Кириченко, 1923; Скуфьин, 1968). Since in the 20 century the regions boundaries were subjected to periodic changes (especially in the case of the former provinces), it is not always clear whether this species indication is new for a specific field of fauna.

Material and methods

The work was based on material collected by authors and other collectors in 1998, 2007, 2010–2016 on the territory of eight regions of the European part of Russia. The material was collected by standard methods using an entomological net.

Results

The list includes eight species of assassin bugs from six genera. Points of collection, habitats, number and sex of collected specimens are specified. In those cases where there is information about the exact geographical coordinates obtained with the GPS-navigator, they are given in the material data. Species distribution of are given according to the catalogues of Heteroptera (Putshkov, Putshkov, 1996; Vinokurov et al., 2010). Heteropteran areals correspond to those proposed by A. F. Emeljanov (1974).

Peirates hybridus (Scopoli, 1763)

Material examined. Volgograd Region: Sredneahtubinsky district, Kolobovka, 20.04.2010, 1 ♀ (A. V. Kravec).

Distribution. Panatlantic; subboreal-subtropical.

Phymata **(*Phymata*)** ***crassipes*** (Fabricius, 1775)

Material examined. Saratov Region: environs of Saratov, Burkin, 51°25′33″N / 45°45′16″E, 22.05.2010, 2 ♂, 1 ♀ (I. A. Zabaluev); Atkarsky district, environs of Peschanka, 23.05.2015, 1 ♂ (I. A. Zabaluev). **Volgograd Region**: Kamyshinsky district, Sherbatovka, 15.05.2011, 1 ♂ (A. V. Kravec).

Distribution. Transpalaearctic; boreal-subtropical.

Holotrichius bergrothi Reuter, 1891

Material examined. Astrakhan Region: environs of Baskunchak, 1.07.2010, 2 ♂ (Shinkorenko).

Distribution. West-continental; subboreal-subtropical.

Reduvius personatus (Linnaeus, 1758)

Material examined. Lipetsk Region: Gryazi (in the courtyard of the dwelling), 52°29′32.1″N / 39°54′42.0″E, 20.08.2016, 1 larva in 5th instar (D. A. Parshin). **Belgorod Region**: Pulyaevka, DRL lamp, 17.07.2007, 1 ♀ (D. V. Potanin). **Volgograd Region**: environs of Volgograd, mountain glade, DRL lamp, 5.06.2011, 2 ♂ (A. V. Kravec).

Distribution. Panatlantic; subboreal-subtropical.

Reduvius testaceus (Herrich-Schaeffer, 1845)

Material examined. Volgograd Region: environs of Volgograd, mountain glade, DRL lamp, 2.06.2012, 1 ♀, 1 ♂ (A. V. Kravec).

Distribution. Continental; subboreal-subtropical.

Rhynocoris annulatus (Linnaeus, 1758)

Material examined. **Bryansk Region**: The Bryansk Forest Nature Reserve, Staroe Yamnoye, the right bank of the Nerussa River, the edge of the forest, 15.08.2015, 1 ♂ (E. V. Aksenenko); **Oryol Region**: Orlovskoye Polesye National Park, Zhudersky, the sphagnum bog 53°15′48″N / 35°17′36″E, 24.07.2014, 1 ♂ (E. V. Aksenenko). **Saratov Region**: environs of Saratov, Burkin, 51°25′33″N / 45°45′16″E, 22.05.2010, 1 ♂ (I. A. Zabaluev); Engelsky district, Lesnoy, shore of the Sazanka Lake, 1.06.2010, 1 ♀ (I. A. Zabaluev). **Tambov Region**: 16 km NE of Tambov, Gorelski forestry, 18.06.2011, 1 ♀, 2 ♂ (I. A. Zabaluev). **Volgograd Region**: Staropoltavsky district, Saltovo, floodplain Yerslan River, 22.05.2011, 1 ♀ (A. V. Kravec); Trekhostrovskaya station, 23.05.1998, 1 ♂ (A. V. Kravec).

Distribution. Superatlantic; boreal-subtropical.

Rhynocoris iracundus (Poda, 1761)

Material examined. **Saratov Region**: Engelsky district, Lesnoy, shore of the Sazanka Lake, 1.06.2010, 1 ♀, 2 ♂ (I. A. Zabaluev). **Volgograd Region**: Serafimovich, floodplain of the Don River, 4.07.2013, 2 ♀ (A. V. Kravec); Sredneahtubinsky district, Krasnoslobodsk, 25.06.2013, 2 ♂ (A. V. Kravec).

Distribution. Superatlantic; boreal-subtropical.

Vachiria deserta (Becker, 1867)

Material examined. Volgograd Region: Kotelnikovo, 47°37′54″N / 43°8′33″E, 1.05.2015, 1 ♂ (I. A. Zabaluev).

Distribution. West-Central Palaearctic; subboreal.

Rhynocoris annulatus was found to occyr quite often in entomological collections. *Rhynocoris iracundus* probably can be attributed to the usual species. The other species are rare or accidental finds. *Reduvius personatus* was indicated for the second time for the **Lipetsk Region**. Previously, K. V. Skuf'jin (1968) recorded this species on a general list of beetles and bugs of the region (without data on the material and collection site). However, the species has not been found in the **Lipetsk Region** since then. Earlier, *Reduvius personatus* was reported also from the territory of Voronezh Region (Аксёненко и др., 2017) bordering **Lipetsk Region**, and it.

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